

What is Claimed is:

1. A positional information notification system comprising a mobile communication network to which one or more terminals and one or more terminal position determination devices are connected, and one or 5 more servers that can communicate with said terminal, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said terminal, information on the position of said terminal, when said 10 terminal notifies the server selected from said one or more servers that can communicate with said terminal of the positional information of the terminal itself, said terminal obtaining via said position request message said information on the position of the terminal itself 15 from said terminal position determination device, determining the positional information of the terminal itself and notifying said selected server of the positional information,

wherein said terminal position determination 20 device has privacy settings for users who use each of the terminals, and a privacy check unit, which privacy check unit having a function for determining, based on said privacy setting, whether to permit the notification of the positional information from said terminal to said 25 selected server,

wherein said terminal position determination device, upon receiving said position request message from said terminal, determines by using said privacy check unit whether to permit the notification of the 30 positional information from said terminal to said selected server, and if permitted, provides to said terminal said information on the position of said terminal.

2. The positional information notification system according to claim 1,

wherein said terminal position determination device inquires, by using said privacy check unit, of 5 the user of said terminal about whether to permit the notification of the positional information to said selected server, and provides to said terminal said information on the position of said terminal only when said user permits the notification of the positional 10 information to said selected server.

3. The positional information notification system according to claim 2,

wherein a condition for said inquiry of the user of said terminal in said privacy check unit is that 5 the notification of the positional information from said terminal to said selected server is not permitted based on the privacy setting for the user who uses said

terminal.

4. A positional information notification system comprising a mobile communication network to which one or more terminals, one or more terminal position determination devices and one or more privacy check devices are connected, and one or more servers that can communicate with said terminal, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said terminal, information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can communicate with said terminal of the positional information of the terminal itself, said terminal obtaining via said position request message said information on the position of the terminal itself from said terminal position determination device, determining the positional information of the terminal itself and notifying said selected server of the positional information,

wherein said privacy check device holds privacy settings for users who use each of the terminals and has a privacy check unit, which privacy check unit having a function for determining whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said server,

wherein said terminal position determination device, upon receiving the position request message from said terminal, inquires of a privacy check device for holding the privacy setting for the user who uses said 30 terminal about whether to permit the notification of the positional information from said terminal to said selected server,

wherein said privacy check device, upon receiving said inquiry from said terminal position determination device, determines by using said privacy 35 check unit whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said selected server, and notifies said terminal position determination device of the 40 result of the determination,

wherein said terminal position determination device provides to said terminal said information on the position of said terminal if the notification of the 45 positional information from said terminal to said selected server is permitted based on the result of said determination notified from said privacy check device.

5. The positional information notification system according to claim 4,

wherein said privacy check device for holding the privacy setting of said terminal inquires of the 5 user of said terminal about whether to permit the

notification of the positional information to said selected server, and notifies said terminal position determination device of the result, notified from said terminal, of the determination by said user.

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6. The positional information notification system according to claim 5,

wherein a condition for said inquiry of the user of said terminal in said privacy check device for holding the privacy setting of said terminal is that the notification of the positional information from said terminal to said selected server is not permitted based on the privacy setting for the user who uses said terminal.

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7. A positional information notification system comprising two or more mobile communication networks to which one or more terminals and one or more terminal position determination devices are connected, and one or more servers that can communicate with said terminal, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said terminal, information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can communicate with said terminal of the positional information of the terminal

itself, said terminal obtaining via said position
request message said information on the position of the
15 terminal itself from said terminal position
determination device, determining said positional
information of the terminal itself and notifying said
selected server of said positional information,

wherein a first of said terminal position
20 determination device associated with a first of said
mobile communication network has privacy settings for
users who use each of the terminals associated with said
first mobile communication network, and a privacy check
unit, which privacy check unit having a function for
25 determining whether to permit, based on said privacy
setting, the notification of the positional information
from said terminal associated with said first mobile
communication network to said selected server,

wherein a second of said terminal position
30 determination device associated with a second of said
mobile communication network, upon receiving said
position request message from said terminal associated
with the first mobile communication network, inquires of
said first terminal position determination device about
35 whether to permit the notification of the positional
information from said terminal to said selected server,

wherein said first terminal position
determination device determines by using said privacy
check unit whether to permit, based on said privacy

40 setting, the notification of the positional information from said terminal to said selected server, and notifies said second terminal position determination device of the result of the determination,

45 wherein said second terminal determination device provides to said terminal said information on the position of said terminal, if the notification of the positional information from said terminal to said selected server is permitted based on the result of said determination notified from said first terminal position 50 determination device.

8. The positional information notification system according to claim 7,

5 wherein said first terminal position determination device inquires, by using said privacy check unit, of the user of said terminal about whether to permit the notification of the positional information to said selected server, and notifies said second terminal position determination device of the result, notified from said terminal, of the determination by 10 said user.

9. The positional information notification system according to claim 8,

wherein a condition for said inquiry of the user of said terminal in said privacy check unit in said

5 first terminal position determination device is that the notification of the positional information from said terminal to said selected server is not permitted based on the privacy setting for the user who uses said terminal

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10. A positional information notification system of the present invention comprising two or more mobile communication networks to which one or more terminals, one or more terminal position determination devices and one or more privacy check devices are connected, and one or more servers that can communicate with said terminal, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said terminal, information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can communicate with said terminal of the positional information of the terminal itself, said terminal obtaining via said position request message said information on the position of the terminal itself from said terminal position determination device, determining the positional information of the terminal itself and notifying said selected server of said positional information,

15 wherein a first of said privacy check device associated with a first of said mobile communication

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network holds privacy settings for users who use each of the terminals associated with said first mobile communication network, and has a privacy check unit,
25 which privacy check unit having a function for determining whether to permit, based on said privacy setting, the notification of the positional information from the terminal associated with said first network to said selected server,

30 wherein a second of said terminal position determination device associated with a second of said mobile communication network, upon receiving said position request message from said terminal associated with said first mobile communication network, inquiries of said second privacy check device associated with said second mobile communication network about whether to permit the notification of the positional information from said terminal to said selected server,
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40 wherein said second privacy check device inquires of said first privacy check device about whether to permit the notification of the positional information from said terminal to said selected server,

45 wherein said first privacy check device determines by using said privacy check unit whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said selected server, and notifies said second privacy check device of the result of the determination,

50 wherein said second privacy check device
notifies said second terminal position determination
device of the result of said determination from said
first privacy check device,

55 wherein said second terminal position
determination device provides to said terminal said
information on the position of said terminal, if the
notification of the positional information from the
terminal to said selected server is permitted based on
the result of said determination notified from said
second privacy check device.

60 11. The positional information notification
system according to claim 10,

5 wherein said first privacy check device
inquires, by using said privacy check unit, of the user
of said terminal about whether to permit the
notification of the positional information to said
server, and notifies said second privacy check device of
the result, notified from said terminal, of the
determination by said user.

10 12. The positional information notification
system according to claim 10,

5 wherein a second of said terminal position
determination device associated with a second of said
mobile communication network, upon receiving said

position request message from said terminal associated with said first mobile communication network, inquires of said first privacy check device about whether to permit the notification of the positional information 10 from said terminal to said selected server,

wherein said first privacy check device determines by using said privacy check unit whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said 15 selected server, and notifies said second terminal position determination device of the result of the determination,

wherein said second terminal position determination device provides to said terminal said 20 information on the position of said terminal, if the notification of the positional information from said terminal to said selected server is permitted based on the result of said determination notified from said first privacy check device.

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13. The positional information notification system according to claim 12,

wherein said first privacy check device 5 inquires, by using said privacy check unit, of the user of said terminal about whether to permit the notification of the positional information to said server, and notifies said second terminal position

determination device of the result, notified from said terminal, of the determination by said user.

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14. The positional information notification system according to claim 11 or 13,

wherein a condition for said inquiry of the user of said terminal in said first privacy check device 5 for holding the privacy setting of said terminal is that the notification of the positional information from said terminal to said selected server is not permitted based on the privacy setting for the user who uses said terminal.

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15. The positional information notification system according to any one of claims 1 to 14,

wherein said information on the position 5 provided to said terminal from said terminal position determination device is the positional information of said terminal.

16. The positional information notification system according to any one of claims 1 to 14,

wherein said information on the position 5 provided to said terminal from said terminal position determination device is supplementary information required for said terminal to determine the positional information of the terminal itself.

17. A positional information notification method comprising the steps:

(1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a terminal position determination device,

(2) said terminal position determination device determines whether to permit the notification of the positional information from said terminal to said server based on privacy setting information for a user who uses said terminal,

(3) if the notification of the positional information from said terminal to said server has been determined to be permitted, position measurement is performed between said terminal position determination device and said terminal,

(4) said terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

(5) said terminal notifies said server of said provided positional information of the terminal itself.

18. A positional information notification method comprising the steps:

5 (1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a terminal position determination device,

10 (2) position measurement is performed between said terminal position determination device and said terminal,

15 (3) said terminal position determination device determines whether to permit the notification of the positional information from said terminal to said server based on privacy setting information for a user who uses said terminal,

20 (4) if the notification of the positional information from said terminal to said server has been determined to be permitted, said terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

(5) said terminal notifies said server of said provided positional information of the terminal itself.

19. A positional information notification method comprising the steps:

5 (1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position

request message to a terminal position determination device,

10 (2) said terminal position determination device determines whether to permit the notification of the positional information from said terminal to said server based on privacy setting information for a user who uses said terminal, while performing position measurement between said terminal position determination device and said terminal,

15 (3) if the notification of the positional information from said terminal to said server has been determined to be permitted, said terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

20 (4) said terminal notifies said server of said provided positional information of the terminal itself.

20. A positional information notification method comprising the steps:

5 (1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a terminal position determination device,

(2) said terminal position determination device determines whether to permit the notification of

10 the positional information from said terminal to said server based on privacy setting information for a user who uses said terminal,

15 (3) if the notification of the positional information from said terminal to said server has been determined to be permitted, said terminal position determination device provides to said terminal supplementary information required for said terminal to determine the positional information of the terminal itself,

20 (4) said terminal determines the positional information of the terminal itself using said provided supplementary information, and

(5) said terminal notifies said server of said determined positional information of the terminal itself.

25 21. A positional information notification method comprising the steps:

5 (1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a terminal position determination device,

10 (2) said terminal position determination device inquires of a user of said terminal about whether to permit the notification of the positional information to said server,

(3) said terminal notifies said terminal position determination device of the user-determined result for the terminal itself,

15 (4) said terminal position determination device confirms the notified user-determined result,

(5) if the notification of the positional information from said terminal to said server has been determined to be permitted, position measurement is 20 performed between said terminal position determination device and said terminal,

(6) said terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

25 (7) said terminal notifies said server of said provided positional information of the terminal itself.

22. A positional information notification method comprising the steps:

(1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a terminal position determination device,

5 (2) said terminal position determination device determines whether the notification of the positional information from said terminal to said server

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is permitted based on privacy setting information for a user who uses said terminal,

15 (3) if the notification of the positional information from said terminal to said server has been determined to be not permitted, said terminal position determination device inquires of the user of said terminal about whether to permit the notification of the positional information to said server,

20 (4) said terminal notifies said terminal position determination device of the user-determined result of the terminal itself,

(5) said terminal position determination device confirms the notified user-determined result,

25 (6) if the notification of the positional information from said terminal to said server has been determined to be permitted, position measurement is performed between said terminal position determination device and said terminal,

30 (7) said terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

(8) said terminal notifies said server of said provided positional information of the terminal itself.

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23. A positional information notification method comprising the steps:

5 (1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a terminal position determination device,

10 (2) upon receiving said position request message, said terminal position determination device requests a privacy check from a privacy check device,

15 (3) said privacy check device determines whether the notification of the positional information from said terminal to said server is permitted based on privacy setting information for a user who uses said terminal,

(4) said privacy check device notifies said terminal position determination device of the privacy check result,

20 (5) if the notification of the positional information from said terminal to said server has been permitted based on said privacy check result, position measurement is performed between said terminal position determination device and said terminal,

25 (6) said terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

(7) said terminal notifies said server of said provided positional information of the terminal itself.

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24. A positional information notification method comprising the steps:

(1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a terminal position determination device,

5 (2) upon receiving said position request message, said terminal position determination device requests a privacy check from a privacy check device,

10 (3) said privacy check device determines whether the notification of the positional information said the terminal to said server is permitted based on privacy setting information for a user who uses said terminal,

15 (4) if the notification of the positional information from said terminal to said server has been determined to be not permitted, said privacy check device inquires of the user of said terminal about whether to permit the notification of the positional information to said server,

20 (5) said terminal notifies said privacy check device of the user-determined result of the terminal itself,

25 (6) said privacy check device confirms the notified user-determined result,

(7) said privacy check device notifies said terminal position determination device of the privacy check result,

30 (8) if the notification of the positional information from said terminal to said server has been determined to be permitted based on said privacy check result, position measurement is performed between said terminal position determination device and said terminal,

35 (9) said terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

40 (10) said terminal notifies said server of said provided positional information of the terminal itself.

25. A positional information notification method comprising the steps:

5 (1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a first terminal position determination device connected to a first mobile communication network to which the terminal itself is connected,

10 (2) said first terminal position determination device requests a privacy check from a second terminal

position determination device connected to a second mobile communication network with which said terminal is associated,

15 (3) said second terminal position determination device determines whether the notification of the positional information from said terminal to said server is permitted based on privacy setting information for a user who uses said terminal,

20 (4) said second terminal position determination device notifies said first terminal position determination device of the privacy check result,

25 (5) if the notification of the positional information from said terminal to said server has been permitted based on said privacy check result, position measurement is performed between said first terminal position determination device and said terminal,

30 (6) said first terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

(7) said terminal notifies said server of said provided positional information of the terminal itself.

35 26. A positional information notification method comprising the steps:

(1) a terminal for notifying a server that can

communicate with the terminal of the positional
5 information of the terminal itself transmits a position
request message to a first terminal position
determination device connected to a first mobile
communication network to which the terminal itself is
connected,

10 (2) said first terminal position determination
device requests a privacy check from a second terminal
position determination device connected to a second
mobile communication network with which said terminal is
associated,

15 (3) said second terminal position
determination device inquires of a user of said terminal
about whether to permit the notification of the
positional information to said server,

20 (4) said terminal notifies said second
terminal position determination device of the user-
determined result of the terminal itself,

(5) said second terminal position
determination device confirms the notified user-
determined result,

25 (6) said second terminal position
determination device notifies said first terminal
position determination device of the privacy check
result,

(7) if the notification of the positional
information from said terminal to said server has been

permitted based on said privacy check result, position measurement is performed between said first terminal position determination device and said terminal,

35 (8) said first terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

(9) said terminal notifies said server of said provided positional information of the terminal itself.

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27. A positional information notification method comprising the steps:

(1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a first terminal position determination device connected to a first mobile communication network to which the terminal itself is connected,

10 (2) said first terminal position determination device requests a privacy check from a second terminal position determination device connected to a second mobile communication network with which said terminal is associated,

15 (3) said second terminal position determination device determines whether the notification of the positional information from said terminal to said

server is permitted based on privacy setting information for a user who uses said terminal,

20 (4) if the notification of the positional information from said terminal to said server has been determined to be not permitted, said second terminal position determination device inquires of the user of said terminal about whether to permit the notification 25 of the positional information to said server,

(5) said terminal notifies said second terminal position determination device of the user-determined result of the terminal itself,

30 (6) said second terminal position determination device confirms the notified user-determined result,

35 (7) said second terminal position determination device notifies said first terminal position determination device of the privacy check result,

40 (8) if the notification of the positional information from said terminal to said server is permitted based on said privacy check result, position measurement is performed between said first terminal position determination device and said terminal,

(9) said first terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

45 (10) said terminal notifies said server of said provided positional information of the terminal itself.

28. A positional information notification method comprising the steps:

(1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a first terminal position determination device connected to a first mobile communication network to which the terminal itself is connected,

10 (2) said first terminal position determination device requests a privacy check from a first privacy check device connected to said same first mobile communication network,

15 (3) said first privacy check device requests a privacy check from a second privacy check device connected to a second mobile communication network with which said terminal is associated,

20 (4) said second privacy check device determines whether the notification of the positional information from said terminal to said server is permitted based on privacy setting information for a user who uses said terminal,

(5) said second privacy check device notifies

25 said first privacy check device of the privacy check
result,

 (6) said first privacy check device notifies
said first terminal position determination device of
said notified privacy check result,

30 (7) if the notification of the positional
information from said terminal to said server is
permitted based on said privacy check result, position
measurement is performed between said first terminal
position determination device and said terminal,

35 (8) said first terminal position determination
device provides to said terminal the positional
information of said terminal obtained by said position
measurement, and

 (9) said terminal notifies said server of said
provided positional information of the terminal itself.

40 29. A positional information notification
method comprising the steps:

 (1) a terminal for notifying a server that can
communicate with the terminal of the positional
5 information of the terminal itself transmits a position
request message to a first terminal position
determination device connected to a first mobile
communication network to which the terminal itself is
connected,

10 (2) said first terminal position determination

device requests a privacy check from said first privacy check device connected to said same first mobile communication network,

15 (3) said first privacy check device requests a privacy check from a second privacy check device connected to a second mobile communication network with which said terminal is associated,

20 (4) said second privacy check device inquires of a user of said terminal about whether to permit the notification of the positional information to said server,

(5) said terminal notifies said second privacy check device of the user-determined result of the terminal itself,

25 (6) said second privacy check device confirms the notified user-determined result,

(7) said second privacy check device notifies said first privacy check device of the privacy check result,

30 (8) said first privacy check device notifies said first terminal position determination device of said notified privacy check result,

35 (9) if the notification of the positional information from said terminal to said server is permitted based on said privacy check result, position measurement is performed between said first terminal position determination device and said terminal,

40 (10) said first terminal position determination device provides to said terminal the positional information of said terminal obtained by said position measurement, and

45 (11) said terminal notifies said server of said provided positional information of the terminal itself.

30. A positional information notification method comprising the steps:

5 (1) a terminal for notifying a server that can communicate with the terminal of the positional information of the terminal itself transmits a position request message to a first terminal position determination device connected to a first mobile communication network to which the terminal itself is connected,

10 (2) said first terminal position determination device requests a privacy check from a first privacy check device connected to said same first mobile communication network,

15 (3) said first privacy check device requests a privacy check from a second privacy check device connected to a second mobile communication network with which said terminal is associated,

(4) said second privacy check device determines whether the notification of the positional

20 information from said terminal to said server is
permitted based on privacy setting information for a
user who uses said terminal,

25 (5) if the notification of the positional
information from said terminal to said server has been
determined to be not permitted, said second privacy
check device inquires of the user of said terminal about
whether to permit the notification of the positional
information to said server,

30 (6) said terminal notifies said second privacy
check device of the user-determined result of the
terminal itself,

(7) said second privacy check device confirms
the notified user-determined result,

35 (8) said second privacy check device notifies
said first privacy check device of the privacy check
result,

(9) said first privacy check device notifies
said first terminal position determination device of
said notified privacy check result,

40 (10) if the notification of the positional
information from said terminal to said server is
permitted based on said privacy check result, position
measurement is performed between said first terminal
position determination device and said terminal,

45 (11) said first terminal position
determination device provides to said terminal the

positional information of said terminal obtained by said position measurement, and

50 (12) said terminal notifies said server of said provided positional information of the terminal itself.

31. A terminal position determination device in a positional information notification system comprising a mobile communication network to which one or more terminals and one or more terminal position determination devices are connected, and one or more servers that can communicate with said terminal, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said terminal, information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can communicate with said terminal of the positional information of said terminal, said terminal obtaining via said position request message said information on the position of the terminal itself from said terminal position determination device, determining the positional information of the terminal itself and notifying said selected server of the positional information,

20 wherein said terminal position determination device comprises a holding unit for holding a privacy

setting for a user who uses said terminal, a privacy
check unit for determining whether to permit, based on
said privacy setting, the notification of the positional
information from said terminal to said selected server,
and a providing unit for, upon receiving said position
request message from said terminal, determining by using
said privacy check unit whether to permit the
notification of the positional information from said
terminal to said selected server, and, if permitted,
providing to said terminal said information on the
position of said terminal.

32. The terminal position determination
device according to claim 31,

wherein the user of said terminal is inquired
by said privacy check unit about whether to permit the
notification of the positional information to said
selected server, and said information on the position of
said terminal is provided to said terminal only when
said user permits the notification of the positional
information to said selected server.

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33. The terminal position determination
device according to claim 32,

wherein a condition for said inquiry of the
user of said terminal in said privacy check unit is that
5 the notification of the positional information from said

terminal to said selected server is not permitted based on the privacy setting for the user who uses said terminal.

34. A terminal position determination device in a positional information notification system comprising a mobile communication network to which one or more terminals, one or more terminal position determination devices and one or more privacy check devices are connected, and one or more servers that can communicate with said terminal, said privacy check device holding privacy settings for users who use each of the terminals, and having a privacy check unit, said 5 privacy check unit having a function for determining whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said server, said terminal position determination device having a function for receiving a 10 position request message from said terminal and providing to said terminal, information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can 15 communicate with said terminal of the positional information of the terminal itself, said terminal obtaining via said position request message said 20 information on the position of the terminal itself from said terminal position determination device, determining

25 the positional information of the terminal itself and
notifying said selected server of said positional
information,

wherein said terminal position determination
device, upon receiving the position request message from
said terminal, inquires of a privacy check device for
30 holding the privacy setting for the user who uses said
terminal about whether to permit the notification of the
positional information from said terminal to said
selected server, when said terminal position
determination device is notified of the result of the
35 determination, if the notification of the positional
information from said terminal to said selected server
is permitted based on the result of said determination
notified from said privacy check device, said
information on the position of said terminal is provided
40 to said terminal.

35. A terminal position determination device
in a positional information notification system
comprising two or more mobile communication networks to
which one or more terminals, one or more terminal
5 position determination devices and one or more privacy
check devices are connected, and one or more servers
that can communicate with said terminal, said terminal
position determination device having a function for
receiving a position request message from said terminal

10 and providing to said terminal, information on the
position of said terminal, when said terminal notifies
the server selected from said one or more servers that
can communicate with said terminal of the positional
information of the terminal itself, said terminal
15 obtaining via said position request message said
information on the position of the terminal itself from
said terminal position determination device, determining
the positional information of the terminal itself and
notifying said selected server of said positional
20 information,

wherein said terminal position determination
device comprises a holding unit for holding privacy
settings for users who use each of the terminals
associated with the mobile communication network to
25 which the terminal position determination device itself
is connected, and a privacy check unit for determining
whether to permit, based on said privacy setting, the
notification of the positional information from said
terminal associated with the mobile communication
30 network to which the device itself is connected to the
selected server,

wherein said terminal position determination
device, upon receiving said position request message
from said terminal associated with the mobile
35 communication network to which the terminal position
determination device itself is connected, determines by

using said privacy check unit whether to permit, based
on said privacy setting, the notification of the
positional information from said terminal to said
40 selected server, and, if permitted, provides to said
terminal said information on the position of said
terminal,

wherein said terminal position determination
device, upon receiving said position request message
45 from said terminal not associated with the mobile
communication network to which the terminal position
determination device itself is connected, inquires of
other terminal position determination devices connected
to other mobile communication networks with which said
50 terminal is associated about whether to permit the
notification of the positional information from said
terminal to said selected server, and based on the
result of the inquiry, if permitted, provides to said
terminal said information on the position of said
55 terminal,

wherein said terminal position determination
device, when inquired by the other terminal position
determination devices connected to the other mobile
communication networks than the mobile communication
60 network to which the terminal position determination
device itself is connected, about whether to permit the
notification of the positional information from said
terminal to said selected server regarding said position

65 request message issued by said terminal associated with
the mobile communication network to which the terminal
position determination device itself is connected,
determines by using said privacy check unit whether to
permit, based on said privacy setting, the notification
of the positional information from said terminal to said
70 selected server, and notifies said other terminal
position determination devices of the result of the
determination.

36. The terminal position determination
device according to claim 35,

wherein said privacy check unit inquires of
the user of said terminal about whether to permit the
5 notification of the positional information to said
server, and uses the result, notified from said terminal,
of the determination by said user.

37. The terminal position determination
device according to claim 36,

wherein a condition for said inquiry of the
user of said terminal in said privacy check unit is that
5 the notification of the positional information from said
terminal to said selected server is not permitted based
on the privacy setting for the user who uses said
terminal.

38. The terminal position determination device according to any one of claims 31 to 37, wherein said information on the position provided to said terminal is the positional information 5 of said terminal.

39. The terminal position determination device according to any one of claims 31 to 37, wherein said information on the position provided to said terminal is supplementary information 5 required for said terminal to determine the positional information of the terminal itself.

40. A privacy check device in a positional information notification system comprising a mobile communication network to which one or more terminals, one or more terminal position determination devices and 5 one or more privacy check devices are connected, and one or more servers that can communicate with said terminal, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said terminal, 10 information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can communicate with the terminal of the positional information of the terminal itself, said terminal obtaining via said position request message

15 said information on the position of the terminal itself
from said terminal position determination device,
determining the positional information of the terminal
itself and notifying said selected server of the
positional information,

20 wherein said privacy check device comprises a
holding unit for holding privacy settings for users who
use each of the terminals, and a privacy check unit for
determining whether to permit, based on said privacy
setting, the notification of the positional information
25 from said terminal to said server,

 wherein, when said terminal position
determination device receives the position request
message from said terminal, and inquires of said privacy
check device about whether to permit the notification of
30 the positional information from said terminal to said
selected server, said privacy check device determines by
using said privacy check unit whether to permit, based
on said privacy setting, the notification of the
positional information from said terminal to said
35 selected server, and notifies said terminal position
determination device of the result of the determination.

41. The privacy check device according to
claim 40,

 wherein said privacy check device inquires of
the user of said terminal about whether to permit the

5 notification of the positional information to said selected server, and notifies said terminal position determination device of the result, notified from said terminal, of the determination by said user.

42. The privacy check device according to claim 41,

5 wherein a condition for said inquiry of the user of said terminal is that the notification of the positional information from said terminal to said selected server is not permitted based on the privacy setting for the user who uses said terminal.

43. A privacy check device in a positional information notification system comprising two or more mobile communication networks to which one or more terminals, one or more terminal position determination devices and one or more privacy check devices are connected, and one or more servers that can communicate with said terminal, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said terminal, information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can communicate with said terminal of the positional information of the terminal itself, said terminal obtaining via said position

15 request message said information on the position of the terminal itself from said terminal position determination device, determining the positional information of the terminal itself and notifying said selected server of said positional information, wherein
20 said privacy check device comprises a holding unit for holding privacy settings for users who use each of the terminals associated with the mobile communication network to which the privacy check device itself is connected, and a privacy check unit for determining
25 whether to permit, based on said privacy setting, the notification of the positional information from said terminal associated with the mobile communication network to which the device itself is connected to said selected server,

30 wherein, when said terminal position determination device connected to the mobile communication network to which the privacy check device itself is connected receives said position request message from said terminal, and inquires of the privacy
35 check device about whether to permit the notification of the positional information from said terminal to said selected server, if said terminal is the one associated with the mobile communication network to which the privacy check device itself is connected, said privacy check device determines by using said privacy check unit whether to permit, based on said privacy setting, the

notification of the positional information from said terminal to said selected server, and notifies said terminal position determination device of the result of the determination, on the other hand, if said terminal is the one not associated with the mobile communication network to which the privacy check device itself is connected, said privacy check device inquires of other privacy check devices connected to other mobile communication networks with which said terminal is associated about whether to permit the notification of the positional information from said terminal to said selected server, and notifies said terminal position determination device of the result of the inquiry,

wherein said privacy check device, when inquired by the other privacy check devices connected to the other mobile communication networks than the mobile communication network to which the privacy check device itself is connected, about whether to permit the notification of the positional information from said terminal residing the mobile communication network to which the privacy check device itself is connected to said selected server, determines by using said privacy check unit whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said selected server, and notifies the other privacy check devices of the result of the determination.

44. The privacy check device according to
claim 43,

wherein said privacy check unit inquires of
the user of said terminal about whether to permit the
5 notification of the positional information to said
server, and uses the result, notified from said terminal,
of the determination by said user.

45. A privacy check device in a positional
information notification system comprising two or more
mobile communication networks to which one or more
terminals, one or more terminal position determination
5 devices and one or more privacy check devices are
connected, and one or more servers that can communicate
with said terminal, said terminal position determination
device having a function for receiving a position
request message from said terminal and providing to said
10 terminal, information on the position of said terminal,
when said terminal notifies the server selected from
said one or more servers that can communicate with said
terminal of the positional information of the terminal
itself, said terminal obtaining via said position
15 request message said information on the position of the
terminal itself from said terminal position
determination device, determining the positional
information of the terminal itself and notifying said

selected server of said positional information,

20 wherein said privacy check device comprises a holding unit for holding privacy settings for users who use each of the terminals associated with the mobile communication network to which the privacy check device itself is connected, and a privacy check unit for determining whether to permit, based on said privacy setting, the notification of the positional information from said terminal associated with the mobile communication network to which the device itself is connected to said selected server,

30 wherein, when said terminal position determination device connected to the mobile communication network to which the privacy check device itself is connected receives said position request message from said terminal, and inquires of said privacy check device about whether to permit the notification of the positional information from said terminal to said selected server, if said terminal is the one associated with the mobile communication network to which the privacy check device itself is connected, said privacy 35 check device determines by using said privacy check unit whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said selected server, and notifies said terminal position determination device of the result of 40 the determination, on the other hand, if said terminal 45

is the one not associated with the mobile communication network to which the privacy check device itself is connected, said privacy check device inquires of other privacy check devices connected to other mobile communication networks with which said terminal is associated about whether to permit the notification of the positional information from said terminal to said selected server, and notifies said terminal position determination device of the result of the inquiry,

46. The privacy check device according to
claim 45,

wherein said privacy check unit inquires of

5 the user of said terminal about whether to permit the notification of the positional information to said server, and uses the result, notified from said terminal, of the determination by said user.

47. The privacy check device according to claim 44 or claim 46,

5 wherein a condition for said inquiry of the user of said terminal is that the notification of the positional information from said terminal to said server is not permitted based on the privacy setting for the user who uses said terminal.

48. The privacy check device according to any one of claims 40 to 47,

5 wherein said information on the position provided to said terminal from said terminal position determination device is the positional information of said terminal.

49. The privacy check device according to any one of claims 40 to 47,

5 wherein said information on the position provided to said terminal from said terminal position determination device is supplementary information required for said terminal to determine the positional information of the terminal itself.

50. A program causes, in a positional information notification system comprising a mobile communication network to which one or more terminals and one or more terminal position determination devices are connected, and one or more servers that can communicate with said terminal, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said terminal, information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can communicate with said terminal of the positional information of said terminal, said terminal obtaining via said position request message said information on the position of the terminal itself from said terminal position determination device, determining the positional information of the terminal itself, and notifying said selected server of said positional information, a computer constituting said terminal position determination device to function as a holding unit for holding the privacy setting for a user who uses said terminal, a privacy check unit for determining whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said selected server, and a providing unit for, upon receiving said position request message from said terminal, determining by using said

privacy check unit whether to permit the notification of the positional information from said terminal to said selected server, and, if permitted, providing to said terminal said information on the position of said terminal.

51. A program causes, in a positional information notification system comprising a mobile communication network to which one or more terminals, one or more terminal position determination devices and one or more privacy check devices are connected, and one or more servers that can communicate with said terminal, said privacy check device holding privacy settings for users who use each of the terminals, and having a privacy check unit, said privacy check unit having a function for determining whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said server, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said terminal, information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can communicate with said terminal of the positional information of the terminal itself, said terminal obtaining via said position request message said information on the position of the terminal itself

from said terminal position determination device,
determining the positional information of the terminal
itself and notifying said selected server of said
25 positional information, a computer constituting said
terminal position determination device to function as a
means for, upon receiving the position request message
from said terminal, inquiring of the privacy check
device for holding the privacy setting for the user who
30 uses said terminal about whether to permit the
notification of the positional information from said
terminal to said selected server, and a means for
providing to said terminal said information on the
position of said terminal if the notification of the
35 positional information from said terminal to said
selected server is permitted based on the result of said
determination notified from said privacy check device.

52. A program causes, in a positional
information notification system comprising two or more
mobile communication networks to which one or more
terminals, one or more terminal position determination
5 devices and one or more privacy check devices are
connected, and one or more servers that can communicate
with said terminal, said terminal position determination
device having a function for receiving a position
request message from said terminal and providing to said
10 terminal, information on the position of said terminal,

when said terminal notifies the server selected from
said one or more servers that can communicate with said
terminal of the positional information of the terminal
itself, said terminal obtaining via said position
15 request message said information on the position of the
terminal itself from said terminal position
determination device, determining the positional
information of the terminal itself and notifying said
selected server of said positional information, a
20 computer constituting said terminal position
determination device to function as a holding unit for
holding privacy settings for users who use each of the
terminals associated with the mobile communication
network to which the terminal position determination
device itself is connected, and a privacy check unit for
25 determining whether to permit, based on said privacy
setting, the notification of the positional information
from said terminal associated with the mobile
communication network to which the device itself is
30 connected to said selected server,

wherein said terminal position determination
device, upon receiving said position request message
from said terminal associated with the mobile
communication network to which the terminal position
determination device itself is connected, determines by
35 using said privacy check unit whether to permit, based
on said privacy setting, the notification of the

40 positional information from said terminal to said selected server, and, if permitted, provides to said terminal said information on the position of said terminal,

45 wherein said terminal position determination device, upon receiving said position request message from said terminal not associated with the mobile communication network to which the terminal position determination device itself is connected, inquires of other terminal position determination devices connected to other mobile communication networks with which said terminal is associated about whether to permit the 50 notification of the positional information from said terminal to said selected server, and based on the result of the inquiry, if permitted, provides to said terminal said information on the position of said terminal,

55 wherein said terminal position determination device, when inquired by the other terminal position determination devices connected to the other mobile communication networks than the mobile communication network to which the terminal position determination 60 device itself is connected, about whether to permit the notification of the positional information from said terminal to said selected server, regarding said position request message issued by said terminal associated with the mobile communication network to

65 which the terminal position determination device itself
is connected, determines by using said privacy check
unit whether to permit, based on said privacy setting,
the notification of the positional information from said
terminal to said selected server, and notifies said
70 other terminal position determination devices of the
result of the determination.

53. A program causes, in a positional
information notification system comprising a mobile
communication network to which one or more terminals,
one or more terminal position determination devices and
one or more privacy check devices are connected, and one
or more servers that can communicate with said terminal,
said terminal position determination device having a
function for receiving a position request message from
said terminal and providing to said terminal,
10 information on the position of said terminal, when said
terminal notifies the server selected from the one or
more servers that can communicate with said terminal of
the positional information of the terminal itself, said
terminal obtaining via said position request message
15 said information on the position of the terminal itself
from said terminal position determination device,
determining the positional information of the terminal
itself and notifying said selected server of the
positional information, a computer constituting said

20 privacy check device to function as a holding unit for
holding privacy settings for users who use each of the
terminals, and a privacy check unit for determining
whether to permit, based on said privacy setting, the
notification of the positional information from said
25 terminal to said server,

 wherein, when said terminal position
determination device receives the position request
message from said terminal, and inquires of said privacy
check device about whether to permit the notification of
30 the positional information from said terminal to said
selected server, said privacy check device determines by
using said privacy check unit whether to permit, based
on the privacy setting, the notification of the
positional information from said terminal to said
35 selected server, and notifies said terminal position
determination device of the result of the determination.

5 54. A program causes, in a positional
information notification system comprising two or more
mobile communication networks to which one or more
terminals, one or more terminal position determination
devices and one or more privacy check devices are
connected, and one or more servers that can communicate
with said terminal, said terminal position determination
device having a function for receiving a position
request message from said terminal and providing to said

10 terminal, information on the position of said terminal, when said terminal notifies the server selected from the one or more servers that can communicate with said terminal of the positional information of the terminal itself, said terminal obtaining via said position request message said information on the position of the terminal itself from said terminal position determination device, determining the positional information of the terminal itself and notifying said selected server of said positional information, a

15 computer constituting said privacy check device to function as a holding unit for holding privacy settings for users who use each of the terminals associated with the mobile communication network to which the privacy check device itself is connected, and a privacy check unit for determining whether to permit, based on said privacy setting, the notification of the positional information from said terminal associated with the mobile communication network to which the device itself is connected to said selected server,

20

25

30 wherein, when said terminal position determination device connected to the mobile communication network to which the privacy check device itself is connected receives said position request message from said terminal, and inquires of the privacy check device about whether to permit the notification of the positional information from said terminal to said

35

selected server, if said terminal is the one associated with the mobile communication network to which the privacy check device itself is connected, said privacy check device determines by using said privacy check unit whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said selected server, and notifies said terminal position determination device of the result of the determination, on the other hand, if said terminal is the one not associated with the mobile communication network to which the privacy check device itself is connected, said privacy check device inquires of other privacy check devices connected to other mobile communication networks with which said terminal is associated about whether to permit the notification of the positional information from said terminal to said selected server, and notifies said terminal position determination device of the result of the inquiry,

wherein said privacy check device, when inquired by other privacy check devices connected to the other mobile communication networks than the mobile communication network to which the privacy check device itself is connected, about whether to permit the notification of the positional information from said terminal associated with the mobile communication network to which the privacy check device itself is connected to said selected server, determines by using

65 said privacy check unit whether to permit, based on said privacy setting, the notification of the positional information from said terminal to said selected server, and notifies said other privacy check devices of the result of the determination.

55. A program causes, in a positional information notification system comprising two or more mobile communication networks to which one or more terminals, one or more terminal position determination devices and one or more privacy check devices are connected, and one or more servers that can communicate with said terminal, said terminal position determination device having a function for receiving a position request message from said terminal and providing to said 10 terminal, information on the position of said terminal, when said terminal notifies the server selected from said one or more servers that can communicate with said terminal of the positional information of the terminal itself, said terminal obtaining via said position 15 request message said information on the position of the terminal itself from said terminal position determination device, determining the positional information of the terminal itself and notifying said selected server of said positional information, a 20 computer constituting said privacy check device to function as a holding unit for holding privacy settings

for users who use each of the terminals associated with the mobile communication network to which the privacy check device itself is connected, and a privacy check unit for determining whether to permit, based on said privacy setting, the notification of the positional information from said terminal associated with the mobile communication network to which the device itself is connected to said selected server,

privacy check devices connected to other mobile
50 communication networks with which said terminal is
associated about whether to permit the notification of
the positional information from said terminal to said
selected server, and notifies said terminal position
determination device of the result of the inquiry,
55 wherein said privacy check device, when
inquired by said terminal position determination device
connected to the other mobile communication networks
than the mobile communication network to which the
privacy check device itself is connected, about whether
60 to permit the notification of the positional information
from said terminal associated with the mobile
communication network to which the privacy check device
itself is connected to said selected server, determines
by using said privacy check unit whether to permit,
65 based on said privacy setting, the notification of the
positional information from said terminal to said
selected server, and notifies said terminal position
determination device of the result of the determination.